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Polygons with String

To review names and properties of polygons

1. Divide students into groups of 4 or 5.
2. Give each group a 7-8 foot length of string, tied into a circle
3. Instruct the students to form each of the following polygons:  
   Triangle  
   Quadrilateral  
   Pentagon  
   Hexagon  
   Decagon, etc.
4. Form each of the following quadrilaterals:  
   Trapezoid  
   Parallelogram  
   Rhombus  
   Kite  
   Rectangle  
   Quadrilateral with no right angle  
   Quadrilateral with one pair of parallel sides, etc.
5. Form each of the following triangles:  
   Equilateral   
   Isosceles  
   Right  
   Acute scalene, etc.
6. Be sure to include some “impossible polygons” such as an obtuse right triangle, or a right equilateral triangle. Let the students decide through investigation whether they can be constructed.

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